

APPLICATION NO. 10/073,720  
DOCKET NO. N0514

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-25 (canceled)

Claim 26 (original): A graphite body having a substantially homogenous distribution of carbon fibers dispersed within said graphite body as substantially single mono-filaments of a random orientation, said carbon fibers present in an amount of about 1.5 wt.% to about 3.0 wt.% based on a weight of said graphite body.

Claim 27 (Previously presented): A graphite body having a longitudinal coefficient of thermal expansion of about  $-0.5 \times 10^{-6}/^{\circ}\text{C}$  to about  $0.10 \times 10^{-6}/^{\circ}\text{C}$  as measured from about 25 to about 200°C and substantially homogenous distribution of carbon fibers dispersed within said graphite body as substantially single non-filaments of random orientation, said carbon fibers present in an amount of about 1.5 wt.% to about 3.0 wt.% based on a weight of said graphite body.

Claim 28 (original): A graphite body having a substantially homogenous distribution of carbon fibers dispersed within said graphite body as substantially

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single mono-filaments of a random orientation, said carbon fibers present in an amount of about 1.5 wt.% based on a weight of said graphite body.

Claim 29 (original):                      A graphite body produced by a method of:

(a)    providing a binder comprising an admixture of pitch having about 0.5 to about 10.0 wt.% of carbon fibers based on a weight of said pitch, substantially homogeneously dispersed within said pitch as substantially single mono-filaments of a random orientation;

(b)    providing a filler;

(c)    mixing said binder and said filler to produce a binder-filler mix having a substantially homogenous dispersion of carbon fibers which are randomly oriented throughout;

(d)    extruding said binder-filler mix to form a carbon body;

(e)    carbonizing said carbon body;

(f)    graphitizing said carbon body to produce said graphite body having about 1.5 to about 3.0 wt.% carbon fibers based on a weight of said graphite body, said fibers dispersed throughout said graphite body as substantially single mono-filaments of a random orientation.

Claim 30 (original):                      A graphite body produced by a method of:

(a)    mixing a binder comprising an admixture of pitch having a viscosity of about 0.1 to about 5 poise at a temperature of about 260 to about 140°C and about 0.5

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to about 10.0 wt.% of carbon fibers based on a weight of said pitch, said fibers substantially homogeneously dispersed within said pitch as substantially single mono-filaments of a random orientation, with a coke filler to form a binder-filler mix;

(b) extruding said binder-filler mix to form a carbon body;

(c) carbonizing said carbon body;

(d) graphitizing said carbon body to produce said graphite body having about 1.5 to about 3.0 wt.% carbon fibers based on a weight of said graphite body, said fibers dispersed throughout said graphite body as substantially single mono-filaments of a random orientation.

Claim 31-33 (canceled)

Claim 34 (previously presented): The graphite body according to claim 26 wherein a length of said carbon fiber comprises about 5 mm to about 40 mm.

Claim 35 (previously presented): The graphite body according to claim 27 wherein a diameter of said carbon fibers comprises about 5  $\mu$ m to about 30  $\mu$ m.

Claim 36 (previously presented): The graphite body according to claim 27 wherein a length of said carbon fiber comprises about 5 mm to about 40 mm.

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Claim 37 (previously presented): The graphite body according to claim 28 wherein a diameter of said carbon fibers comprises about  $5\text{ }\mu\text{m}$  to about  $30\text{ }\mu\text{m}$ .

Claim 38 (previously presented): The graphite body according to claim 26 having a longitudinal coefficient of thermal expansion of about  $-0.5 \times 10^{-6}/^{\circ}\text{C}$  to less than  $0.14 \times 10^{-6}/^{\circ}\text{C}$  as measured from about  $25$  to about  $200^{\circ}\text{C}$ .

Claim 39 (previously presented): The graphite body according to claim 26 wherein a tensile strength of said carbon fiber comprises greater than about  $100,000\text{ psi}$ .

Claim 40 (previously presented): The graphite body according to claim 27 wherein a tensile strength of said carbon fiber comprises greater than about  $100,000\text{ psi}$ .

Claim 41 (previously presented): The graphite body according to claim 28 wherein a tensile strength of said carbon fiber comprises greater than about  $100,000\text{ psi}$ .